
Product Data Sheet

Product Name: AER-271
Cat. No.: GC39549

Chemical Properties

Cas. No. 634913-39-6

SMILES O=C(NC1=CC(C(F)(F)F)=CC(C(F)(F)F)=C1)C2=CC(Cl)=CC=C2OP(O)(O)=O

Formula $C_{15}H_9ClF_6NO_5P$ M.Wt 463.65

Solubility DMSO: 125 mg/mL (269.60 mM) Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure

Background

AER-271, a phosphonate prodrug derivative of AER-270, is an aquaporin-4 (AQP4) inhibitor for the research of acute ischemic stroke[1].

[1]. Wallisch JS, et al. The aquaporin-4 inhibitor AER-271 blocks acute cerebral edema and improves early outcome in a pediatric model of asphyxial cardiac arrest. *Pediatr Res.* 2019 Mar;85(4):511-517. [2]. Farr GW, et al. Functionalized Phenylbenzamides Inhibit Aquaporin-4 Reducing Cerebral Edema and Improving Outcome in Two Models of CNS Injury. *Neuroscience.* 2019 Apr 15;404:484-498.

Caution: Product has not been fully validated for medical applications. For research use only.

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